

INTERNATIONAL SEARCH REPORT

International Application No
PCT/GB 03/01291

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C07C237/10 C07C237/16 C07C271/22 C07D295/12 C12N15/87
A61K48/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07C C07D C12N A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BEILSTEIN Data, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 00 77032 A (GUEDAT PHILIPPE ;CAMILLERI PATRICK (GB); UNIV CAMBRIDGE TECH (GB);) 21 December 2000 (2000-12-21) cited in the application examples ---	1-30
A	WO 00 27795 A (LIFE TECHNOLOGIES INC) 18 May 2000 (2000-05-18) cited in the application page 32 -page 36 ---	1-30
A	US 5 744 335 A (FRITZ JEFFERY ET AL) 28 April 1998 (1998-04-28) column 2, line 6 -column 5, line 34 --- -/--	1-30

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

22 August 2003

Date of mailing of the international search report

04/09/2003

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>MCGREGOR, C ET AL: "Rational approach to the design of cationic gemini surfactants for Gene delivery"</p> <p>JOURNAL OF THE AMERICAN CHEMICAL SOCIETY., vol. 123, no. 26, 2001, pages 6215-6220, XP002252235</p> <p>AMERICAN CHEMICAL SOCIETY, WASHINGTON, DC., US</p> <p>ISSN: 0002-7863</p> <p>schemes 1 and 2</p> <p>-----</p>	1-30

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB 03/01291

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0077032	A	21-12-2000	AU 5690400 A EP 1187806 A2 WO 0077032 A2 JP 2003504311 T	02-01-2001 20-03-2002 21-12-2000 04-02-2003
WO 0027795	A	18-05-2000	AU 1477600 A CA 2350882 A1 EP 1129064 A1 JP 2002529439 T WO 0027795 A1	29-05-2000 18-05-2000 05-09-2001 10-09-2002 18-05-2000
US 5744335	A	28-04-1998	US 6180784 B1	30-01-2001